

Jens DuccrÃ©e

List of Publications by Year in descending order

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190
papers

5,778
citations

66234

42
h-index

85405

71
g-index

208
all docs

208
docs citations

208
times ranked

4423
citing authors

#	ARTICLE	IF	CITATIONS
1	Solvent selective membrane routing and microfluidic architecture towards centrifugal automation of customisable bead based immunoassays. <i>Sensors and Actuators B: Chemical</i> , 2022, 356, 131305.	4.0	8
2	On-board reagent storage and release by solvent-selective, rotationally opened membranes: a digital twin approach. <i>Microfluidics and Nanofluidics</i> , 2022, 26, 1.	1.0	0
3	Accelerating innovation and commercialization through standardization of microfluidic-based medical devices. <i>Lab on A Chip</i> , 2021, 21, 9-21.	3.1	69
4	Functional Membranes for Enhanced Rotational Flow Control on Centrifugal Microfluidic Platforms. , 2021, , 119-119.		0
5	Siphon-Controlled Automation on a Lab-on-a-Disc Using Event-Triggered Dissolvable Film Valves. <i>Biosensors</i> , 2021, 11, 73.	2.3	9
6	Disease-Relevant Single Cell Photonic Signatures Identify S100 ^β Stem Cells and their Myogenic Progeny in Vascular Lesions. <i>Stem Cell Reviews and Reports</i> , 2021, 17, 1713-1740.	1.7	3
7	Convergence of Blockchain, Autonomous Agents, and Knowledge Graph to Share Electronic Health Records. <i>Frontiers in Blockchain</i> , 2021, 4, .	1.6	10
8	Unchaining Collective Intelligence for Science, Research, and Technology Development by Blockchain-Boosted Community Participation. <i>Frontiers in Blockchain</i> , 2021, 4, .	1.6	6
9	Secure Air Traffic Control at the Hub of Multiplexing on the Centrifugo-Pneumatic Lab-on-a-Disc Platform. <i>Micromachines</i> , 2021, 12, 700.	1.4	7
10	Design Optimization of Centrifugal Microfluidic “Lab-on-a-Disc” Systems towards Fluidic Larger-Scale Integration. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 5839.	1.3	8
11	Centrifugally automated Solid-Phase Extraction of DNA by immiscible liquid valving and chemically powered centripetal pumping of peripherally stored reagents. <i>Biosensors and Bioelectronics: X</i> , 2021, 9, 100085.	0.9	1
12	Lab-on-a-disk extraction of PBMC and metered plasma from whole blood: An advanced event-triggered valving strategy. <i>Biomicrofluidics</i> , 2021, 15, 064102.	1.2	4
13	Systematic review of centrifugal valving based on digital twin modeling towards highly integrated lab-on-a-disc systems. <i>Microsystems and Nanoengineering</i> , 2021, 7, 104.	3.4	9
14	Blockchain for Organizing Effective Grass-Roots Actions on a Global Commons: Saving the Planet. <i>Frontiers in Blockchain</i> , 2020, 3, .	1.6	14
15	Open Platform Concept for Blockchain-Enabled Crowdsourcing of Technology Development and Supply Chains. <i>Frontiers in Blockchain</i> , 2020, 3, .	1.6	7
16	Siphon-Induced Droplet Break-Off for Enhanced Mixing on a Centrifugal Platform. <i>Inventions</i> , 2020, 5, 1.	1.3	15
17	Research “ A blockchain of knowledge?. <i>Blockchain: Research and Applications</i> , 2020, 1, 100005.	4.5	17
18	Efficient Development of Microfluidic Solutions for Bioanalytical “Point-of-Use” Testing towards High-Technology-Readiness Levels” A Platform-Based Design-for-Manufacture Approach. <i>Proceedings (mdpi)</i> , 2019, 2, .	0.2	2

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19	Leaky Expression of the TET-On System Hinders Control of Endogenous miRNA Abundance. <i>Biotechnology Journal</i> , 2019, 14, 1800219.	1.8	19
20	Single Cell Analysis Microfluidic Device for Cell Line Optimisation in Upstream Cell Culture Processing Biopharmaceutical Applications. , 2019, , .		1
21	Label-Free Multi Parameter Optical Interrogation of Endothelial Activation in Single Cells using a Lab on a Disc Platform. <i>Scientific Reports</i> , 2019, 9, 4157.	1.6	9
22	Efficient Development of Integrated Lab-On-A-Chip Systems Featuring Operational Robustness and Manufacturability. <i>Micromachines</i> , 2019, 10, 886.	1.4	19
23	Automation of multi-analyte prostate cancer biomarker immunoassay panel from whole blood by minimum-instrumentation rotational flow control. <i>Sensors and Actuators B: Chemical</i> , 2018, 263, 668-675.	4.0	19
24	Wireless closed-loop control of centrifugo-pneumatic valving towards large-scale microfluidic process integration. , 2018, , .		2
25	A review of centrifugal microfluidics in environmental monitoring. <i>Analytical Methods</i> , 2018, 10, 1497-1515.	1.3	49
26	Wirelessly powered and remotely controlled valve-array for highly multiplexed analytical assay automation on a centrifugal microfluidic platform. <i>Biosensors and Bioelectronics</i> , 2018, 109, 214-223.	5.3	41
27	ChromiSense: A colourimetric lab-on-a-disc sensor for chromium speciation in water. <i>Talanta</i> , 2018, 178, 392-399.	2.9	25
28	Reusable ionogel-based photo-actuators in a lab-on-a-disc. <i>Sensors and Actuators B: Chemical</i> , 2018, 257, 963-970.	4.0	15
29	3â€¦Injury-activated vascular cells share a common photonic fingerprint with stem cell-derived myogenic progeny following interrogation using a lab-on-a-disc (load) platform. , 2018, , .		0
30	Laser-actuated centrifugo-pneumatic flow control towards â€˜sample-to-answerâ€™™ integrated detection of multi-marker panels at the point-of-care. , 2018, , .		5
31	Automated DNA purification and multiplexed lamp assay preparation on a centrifugal microfluidic â€œLab-on-a-Discâ€ platform. , 2018, , .		4
32	Label-free, spatially multiplexed SPR detection of immunoassays on a highly integrated centrifugal Lab-on-a-Disc platform. <i>Biosensors and Bioelectronics</i> , 2018, 119, 86-93.	5.3	44
33	Novel Microfluidic Analytical Sensing Platform for the Simultaneous Detection of Three Algal Toxins in Water. <i>ACS Omega</i> , 2018, 3, 6624-6634.	1.6	25
34	Automated assembly of microfluidic "lab-on-a-disc". , 2018, , .		2
35	Abstract 480: Injury-Activated Vascular Cells Share a Common Photonic Fingerprint with Stem Cell-Derived Myogenic Progeny Following Interrogation Using a Lab-on-a-Disc (Load) Platform. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2018, 38, .	1.1	0
36	New strategies for stationary phase integration within centrifugal microfluidic platforms for applications in sample preparation and pre-concentration. <i>Analytical Methods</i> , 2017, 9, 1998-2006.	1.3	13

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37	PhosphaSense: A fully integrated, portable lab-on-a-disc device for phosphate determination in water. Sensors and Actuators B: Chemical, 2017, 246, 1085-1091.	4.0	36
38	MariaBox: First prototype of a novel instrument to observe natural and chemical pollutants in seawater. , 2017, , .		4
39	Polyethylene imine/graphene oxide layer-by-layer surface functionalization for significantly improved limit of detection and binding kinetics of immunoassays on acrylate surfaces. Colloids and Surfaces B: Biointerfaces, 2017, 158, 167-174.	2.5	24
40	Development of an on-disc isothermal in vitro amplification and detection of bacterial RNA. Sensors and Actuators B: Chemical, 2017, 239, 235-242.	4.0	27
41	Nucleic acid purification on a Lab-on-a-Disc with time-controlled incubation. , 2017, , .		1
42	Development of a system for on-disc isothermal in vitro amplification and detection of bacterial RNA. , 2017, , .		1
43	A centrifugal microfluidic-based approach for multi-toxin detection for real-time marine water-quality monitoring. , 2017, , .		4
44	Functional Membranes for Enhanced Rotational Flow Control on Centrifugal Microfluidic Platforms. , 2017, , .		4
45	A portable optical reader and wall projector towards enumeration of bio-conjugated beads or cells. PLoS ONE, 2017, 12, e0189923.	1.1	1
46	CD-Based Microfluidics for Primary Care in Extreme Point-of-Care Settings. Micromachines, 2016, 7, 22.	1.4	88
47	Baking Powder Actuated Centrifugo-Pneumatic Valving for Automation of Multi-Step Bioassays. Micromachines, 2016, 7, 175.	1.4	17
48	Density-Gradient Mediated Band Extraction of Leukocytes from Whole Blood Using Centrifugo-Pneumatic Siphon Valving on Centrifugal Microfluidic Discs. PLoS ONE, 2016, 11, e0155545.	1.1	48
49	Automation of Silica Bead-based Nucleic Acid Extraction on a Centrifugal Lab-on-a-Disc Platform. Journal of Physics: Conference Series, 2016, 757, 012013.	0.3	10
50	Fully automated chemiluminescence detection using an electrified-Lab-on-a-Disc (eLoaD) platform. Lab on A Chip, 2016, 16, 4002-4011.	3.1	35
51	Xurography actuated valving for centrifugal flow control. Lab on A Chip, 2016, 16, 3454-3459.	3.1	29
52	Phase-selective graphene oxide membranes for advanced microfluidic flow control. Microsystems and Nanoengineering, 2016, 2, 16008.	3.4	14
53	The Centrifugal Microfluidic: Lab-on-a-Disc Platform. , 2016, , 115-144.		0
54	Systems Biology in Single Cells. Series in Bioengineering, 2016, , 31-53.	0.3	0

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55	Cluster size distribution of cancer cells in blood using stopped-flow centrifugation along scale-matched gaps of a radially inclined rail. <i>Microsystems and Nanoengineering</i> , 2015, 1, .	3.4	10
56	Cluster sizing of cancer cells by rail-based serial gap filtration in stopped-flow, continuous sedimentation mode. , 2015, , .		1
57	Lipophilic-membrane based routing for centrifugal automation of heterogeneous immunoassays. , 2015, , .		8
58	Graphene-oxide enabled centrifugo-pneumatic routing of flows. , 2015, , .		1
59	Photo-switchable microvalve in a reusable Lab-on-a-disc. , 2015, , .		1
60	Living photonics: monitoring light propagation through cells (LiPhos). <i>Proceedings of SPIE</i> , 2015, , .	0.8	0
61	Solvent-selective routing for centrifugally automated solid-phase purification of RNA. <i>Microfluidics and Nanofluidics</i> , 2015, 18, 859-871.	1.0	11
62	Label-free impedance detection of cancer cells from whole blood on an integrated centrifugal microfluidic platform. <i>Biosensors and Bioelectronics</i> , 2015, 68, 382-389.	5.3	93
63	Graphene Oxide membranes for phase-selective microfluidic flow control. , 2015, , .		3
64	Real-time monitoring of cell migration, phagocytosis and cell surface receptor dynamics using a novel, live-cell opto-microfluidic technique. <i>Analytica Chimica Acta</i> , 2015, 872, 95-99.	2.6	8
65	Baking-powder driven centripetal pumping controlled by event-triggering of functional liquids. , 2015, , .		4
66	Paper imbibition for timing of multi-step liquid handling protocols on event-triggered centrifugal microfluidic lab-on-a-disc platforms. <i>RSC Advances</i> , 2015, 5, 1818-1826.	1.7	44
67	SIZE- and deformability-based particle sorting by strategic design of obstacle arrays in continuous centrifugal sedimentation mode. , 2015, , .		1
68	Fluorescent Cy5 silica nanoparticles for cancer cell imaging. , 2015, , .		0
69	Rapid, culture-independent, optical diagnostics of centrifugally captured bacteria from urine samples. <i>Biomicrofluidics</i> , 2015, 9, 044118.	1.2	32
70	Rapid and cost-efficient enumeration of rare cancer cells from whole blood by low-loss centrifugo-magnetophoretic purification under stopped-flow conditions. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2015, 87, 74-80.	1.1	30
71	An integrated centrifugo-opto-microfluidic platform for arraying, analysis, identification and manipulation of individual cells. <i>Lab on A Chip</i> , 2015, 15, 378-381.	3.1	52
72	Integrated micromixer for incubation and separation of cancer cells on a centrifugal platform using inertial and dean forces. <i>Microfluidics and Nanofluidics</i> , 2015, 18, 513-526.	1.0	27

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73	Microfluidic Cell Enumeration for Biomedical Diagnostics. , 2015, , 1882-1891.		0
74	A portable centrifugal analyser for liver function screening. Biosensors and Bioelectronics, 2014, 56, 352-358.	5.3	57
75	Spira mirabilis enhanced whole blood processing in a lab-on-a-disk. Sensors and Actuators A: Physical, 2014, 215, 71-76.	2.0	28
76	Spin coating of hydrophilic polymeric films for enhanced centrifugal flow control by serial siphoning. Microfluidics and Nanofluidics, 2014, 16, 691-699.	1.0	39
77	Optical detection strategies for centrifugal microfluidic platforms. Journal of Modern Optics, 2014, 61, 85-101.	0.6	18
78	CD4 cell isolation from blood using finger-actuated on-chip magnetophoresis for rapid HIV/AIDS diagnostics. , 2014, , .		0
79	Event-triggered logical flow control for comprehensive process integration of multi-step assays on centrifugal microfluidic platforms. Lab on A Chip, 2014, 14, 2249-2258.	3.1	81
80	Centrifugally automated solid-phase purification of RNA. , 2014, , .		8
81	Sequential glycan profiling at single cell level with the microfluidic lab-in-a-trench platform: a new era in experimental cell biology. Lab on A Chip, 2014, 14, 3629-3639.	3.1	10
82	Centrifugo-Magnetophoretic Purification of CD4+ Cells from Whole Blood Toward Future HIV/AIDS Point-of-Care Applications. Journal of the Association for Laboratory Automation, 2014, 19, 285-296.	2.8	33
83	Centrifugal automation of a triglyceride bioassay on a low-cost hybrid paper-polymer device. Microfluidics and Nanofluidics, 2014, 16, 895-905.	1.0	25
84	Rapid, low-cost and instrument-free CD4+ cell counting for HIV diagnostics in resource-poor settings. Lab on A Chip, 2014, 14, 2844-2851.	3.1	39
85	Centrifugal Flow Control. , 2014, , 1-14.		0
86	Centrifugal Microfluidics. , 2014, , 1-18.		0
87	CMAS: fully integrated portable centrifugal microfluidic analysis system for on-site colorimetric analysis. RSC Advances, 2013, 3, 15928.	1.7	37
88	CD4 counting technologies for HIV therapy monitoring in resource-poor settings – state-of-the-art and emerging microtechnologies. Lab on A Chip, 2013, 13, 2731.	3.1	59
89	Integration of functional materials and surface modification for polymeric microfluidic systems. Journal of Micromechanics and Microengineering, 2013, 23, 033001.	1.5	62
90	At-line bioprocess monitoring by immunoassay with rotationally controlled serial siphoning and integrated supercritical angle fluorescence optics. Analytica Chimica Acta, 2013, 781, 54-62.	2.6	43

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91	Simple approach to study biomolecule adsorption in polymeric microfluidic channels. <i>Analytica Chimica Acta</i> , 2013, 760, 75-82.	2.6	17
92	A hybrid microfluidic platform for cell-based assays via diffusive and convective trans-membrane perfusion. <i>Biomicrofluidics</i> , 2013, 7, 34101.	1.2	7
93	Spira Mirabilis enhanced density gradient centrifugation. , 2013, , .		0
94	Multi-material paper-disc devices for low cost biomedical diagnostics. , 2013, , .		5
95	Comprehensive integration of homogeneous bioassays via centrifugo-pneumatic cascading. <i>Lab on A Chip</i> , 2013, 13, 685-694.	3.1	57
96	Full integration of a liver assay panel on a centrifugal microfluidic platform. , 2013, , .		1
97	Fluidic Automation of Nitrate and Nitrite Bioassays in Whole Blood by Dissolvable-Film Based Centrifugo-Pneumatic Actuation. <i>Sensors</i> , 2013, 13, 11336-11349.	2.1	23
98	Lab-on-a disc platform for particle focusing induced by inertial forces. <i>Proceedings of SPIE</i> , 2013, , .	0.8	2
99	Automated on-disc total RNA extraction from whole blood towards point-of-care for early stage diagnostics. , 2013, , .		1
100	Plate reader compatible membrane-integrated microfluidic platform for high-throughput cellular assays. , 2013, , .		0
101	Auto-actuated sequential release valves for Lab-on-a-Disc systems. , 2013, , .		1
102	Multi-stage, solvent-controlled routing for automated on-disc extraction of total RNA from breast cancer cell line homogenate. , 2013, , .		2
103	Plasma extraction by centrifugo-pneumatically induced gating of flow. <i>Journal of Micromechanics and Microengineering</i> , 2013, 23, 035035.	1.5	24
104	Microfluidic Cell Enumeration for Biomedical Diagnostics. , 2013, , 1-11.		0
105	Optical Detection on Centrifugal Microfluidic Lab-on-a-disc Platforms. , 2013, , 1-10.		0
106	Centrifugo-pneumatic valving utilizing dissolvable films. <i>Lab on A Chip</i> , 2012, 12, 2894.	3.1	113
107	Handling and analysis of cells and bioparticles on centrifugal microfluidic platforms. <i>Expert Review of Molecular Diagnostics</i> , 2012, 12, 407-421.	1.5	48
108	Design and fabrication of a <sc>COP</sc>-based microfluidic chip: Chronoamperometric detection of <sc>T</sc>roponin <sc>T</sc>. <i>Electrophoresis</i> , 2012, 33, 3187-3194.	1.3	19

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109	Rotationally controlled magneto-hydrodynamic particle handling for bead-based microfluidic assays. <i>Microfluidics and Nanofluidics</i> , 2012, 13, 675-681.	1.0	18
110	Centrifugo-magnetophoretic particle separation. <i>Microfluidics and Nanofluidics</i> , 2012, 13, 899-908.	1.0	53
111	Centrifugal microfluidics for cell analysis. <i>Current Opinion in Chemical Biology</i> , 2012, 16, 409-414.	2.8	80
112	Reactive deposition of nano-films in deep polymeric microcavities. <i>Lab on A Chip</i> , 2012, 12, 4877.	3.1	11
113	Fabricating electrodes for amperometric detection in hybrid paper/polymer lab-on-a-chip devices. <i>Lab on A Chip</i> , 2012, 12, 3281.	3.1	43
114	A centrifugo-pneumatic cascade for fully integrated and multiplexed biological analysis. , 2012, , .		2
115	Centrifugally enhanced paper microfluidics. , 2012, , .		6
116	Optical non-contact localization of liquid-gas interfaces on disk during rotation for measuring flow rates and viscosities. <i>Lab on A Chip</i> , 2012, 12, 5231.	3.1	6
117	Optical sensing system based on wireless paired emitter detector diode device and ionogels for lab-on-a-disc water quality analysis. <i>Lab on A Chip</i> , 2012, 12, 5069.	3.1	57
118	Array-based capture, distribution, counting and multiplexed assaying of beads on a centrifugal microfluidic platform. <i>Lab on A Chip</i> , 2012, 12, 1289.	3.1	62
119	A wireless paired emitter detector diode device as an optical sensor for Lab-on-a-disc applications. , 2011, , .		3
120	2-dimensional separation of biomimetic particles by stopped-flow centrifugo-magnetophoresis. , 2011, , .		1
121	Multiplexing of highly reproducible, bead-based immunoassays on a centrifugal microfluidic platform. , 2011, , .		2
122	Integration of high-efficiency capture and magneto-hydrodynamic retrieval of particles on a centrifugal microfluidic platform. , 2011, , .		1
123	Centrifugo-magnetophoretic separation and routing of particles. , 2011, , .		1
124	Integrated microfluidic array plate (iMAP) for cellular and molecular analysis. <i>Lab on A Chip</i> , 2011, 11, 2701.	3.1	43
125	Platelet Adhesion and Degranulation Induce Pro-Survival and Pro-Angiogenic Signalling in Ovarian Cancer Cells. <i>PLoS ONE</i> , 2011, 6, e26125.	1.1	141
126	Rotationally controlled centrifugo-pneumatic valving utilizing dissolvable films. , 2011, , .		1

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127	Liquid recirculation in microfluidic channels by the interplay of capillary and centrifugal forces. <i>Microfluidics and Nanofluidics</i> , 2010, 9, 695-703.	1.0	27
128	Tailormade Microfluidic Devices Through Photochemical Surface Modification. <i>Macromolecular Chemistry and Physics</i> , 2010, 211, 195-203.	1.1	15
129	Hybrid integrated PDMS microfluidics with a silica capillary. <i>Lab on A Chip</i> , 2010, 10, 1468.	3.1	10
130	Lab-in-a-trench platform for real-time monitoring of cell surface protein expression. , 2010, , .		1
131	Hybrid integrated platform of PDMS microfluidics and Silica Capillary for effective CE and ESI-MS coupling. , 2009, , .		0
132	TIR-Based Dynamic Liquid-Level and Flow-Rate Sensing and its Application on Centrifugal Microfluidic Platforms. , 2009, , .		1
133	Liquid recirculation in microfluidic channels by the interplay of capillary and centrifugal forces. , 2009, , .		1
134	Monolithic Centrifugal Microfluidic Platform for Bacteria Capture and Concentration, Lysis, Nucleic-Acid Amplification, and Real-Time Detection. , 2009, , .		1
135	A Binder-less Glucose Fuel Cell with Improved Chemical Stability Intended as Power Supply for Medical Implants. <i>IFMBE Proceedings</i> , 2009, , 2379-2383.	0.2	3
136	A complete testing environment for the automated parallel performance characterization of biofuel cells: design, validation, and application. <i>Journal of Applied Electrochemistry</i> , 2009, 39, 1477-1485.	1.5	38
137	Manufacture of chitosan microbeads using centrifugally driven flow of gel-forming solutions through a polymeric micronozzle. <i>Journal of Colloid and Interface Science</i> , 2009, 336, 634-641.	5.0	42
138	Next-generation microfluidic lab-on-a-chip platforms for point-of-care diagnostics and systems biology. <i>Procedia Chemistry</i> , 2009, 1, 517-520.	0.7	8
139	Centrifugo-pneumatic valve for metering of highly wetting liquids on centrifugal microfluidic platforms. <i>Lab on A Chip</i> , 2009, 9, 3599.	3.1	72
140	Thin film diffusion barrier formation in PDMS microcavities. , 2009, , .		1
141	Low-Cost Microfluidic Single-Use Valves and On-Board Reagent Storage using Laser-Printer Technology. , 2009, , .		7
142	Droplet Mixer based on Siphon-Induced Flow Discretization and Phase Shifting. , 2009, , .		2
143	Energy harvesting by implantable abiotically catalyzed glucose fuel cells. <i>Journal of Power Sources</i> , 2008, 182, 1-17.	4.0	345
144	An abiotically catalyzed glucose fuel cell for powering medical implants: Reconstructed manufacturing protocol and analysis of performance. <i>Journal of Power Sources</i> , 2008, 182, 66-75.	4.0	105

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145	Alginate bead fabrication and encapsulation of living cells under centrifugally induced artificial gravity conditions. <i>Journal of Microencapsulation</i> , 2008, 25, 267-274.	1.2	62
146	Aliquoting structure for centrifugal microfluidics based on a new pneumatic valve. <i>Proceedings of the IEEE International Conference on Micro Electro Mechanical Systems (MEMS)</i> , 2008, , .	0.0	6
147	Near-wall velocity of suspended particles in microchannel flow. <i>Proceedings of the IEEE International Conference on Micro Electro Mechanical Systems (MEMS)</i> , 2008, , .	0.0	1
148	Rapid prototyping of microfluidic chips in COC. <i>Journal of Micromechanics and Microengineering</i> , 2007, 17, 333-341.	1.5	169
149	A Simple Opto-Fluidic Switch Detecting Liquid Filling in Polymer-Based Microfluidic Systems. , 2007, , .		2
150	Alginate micro-bead fabrication on a centrifugal microfluidics platform. , 2007, , .		2
151	A Surface Mountable Glucose Fuel Cell for Medical Implants. , 2007, , .		6
152	The centrifugal microfluidic Bio-Disk platform. <i>Journal of Micromechanics and Microengineering</i> , 2007, 17, S103-S115.	1.5	521
153	Centrifugo-magnetic pump for gas-to-liquid sampling. <i>Sensors and Actuators A: Physical</i> , 2007, 135, 28-33.	2.0	40
154	Integrated siphon-based metering and sedimentation of whole blood on a hydrophilic lab-on-a-disk. <i>Biomedical Microdevices</i> , 2007, 9, 675-679.	1.4	98
155	Single-step centrifugal hematocrit determination on a 10- μ processing device. <i>Biomedical Microdevices</i> , 2007, 9, 795-799.	1.4	61
156	Centrifugal extraction of plasma from whole blood on a rotating disk. <i>Lab on A Chip</i> , 2006, 6, 776-781.	3.1	224
157	Fully integrated whole blood testing by real-time absorption measurement on a centrifugal platform. <i>Lab on A Chip</i> , 2006, 6, 1040-1044.	3.1	118
158	Read-out concepts for multiplexed bead-based fluorescence immunoassays on centrifugal microfluidic platforms. <i>Sensors and Actuators A: Physical</i> , 2006, 126, 455-462.	2.0	69
159	Direct hemoglobin measurement on a centrifugal microfluidic platform for point-of-care diagnostics. <i>Sensors and Actuators A: Physical</i> , 2006, 130-131, 228-233.	2.0	49
160	Sensitivity enhancement for colorimetric glucose assays on whole blood by on-chip beam-guidance. <i>Biomedical Microdevices</i> , 2006, 8, 209-214.	1.4	73
161	Patterning of flow and mixing in rotating radial microchannels. <i>Microfluidics and Nanofluidics</i> , 2006, 2, 97-105.	1.0	92
162	Multilamination of flows in planar networks of rotating microchannels. <i>Microfluidics and Nanofluidics</i> , 2006, 2, 78-84.	1.0	70

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163	Centrifugal generation and manipulation of droplet emulsions. <i>Microfluidics and Nanofluidics</i> , 2006, 3, 65-75.	1.0	76
164	LAB-ON-CHIP-BASED CELL SEPARATION BY COMBINING DIELECTROPHORESIS AND CENTRIFUGATION. <i>Biophysical Reviews and Letters</i> , 2006, 01, 443-451.	0.9	16
165	<i>Microfluidics.</i> , 2006, , 667-727.		0
166	<i>Microfluidics.</i> , 2006, , 667-727.		1
167	Centrifugal Micromixery. <i>Chemical Engineering and Technology</i> , 2005, 28, 613-616.	0.9	81
168	Visualization of flow patterning in high-speed centrifugal microfluidics. <i>Review of Scientific Instruments</i> , 2005, 76, 025101.	0.6	89
169	Frequency-dependent transversal flow control in centrifugal microfluidics. <i>Lab on A Chip</i> , 2005, 5, 146-150.	3.1	119
170	Batch-mode mixing on centrifugal microfluidic platforms. <i>Lab on A Chip</i> , 2005, 5, 560.	3.1	235
171	Aggregation of bead-monolayers in flat microfluidic chambers – simulation by the model of porous media. <i>Lab on A Chip</i> , 2004, 4, 209-213.	3.1	13
172	Nanoliter & picoliter liquid handling. , 2003, , 151-169.		0
173	Neutralization of hyperthermal multiply charged ions at surfaces: Comparison between the extended dynamical overbarrier model and experiment. <i>Physical Review A</i> , 1999, 60, 3029-3043.	1.0	28
174	Charge transfer and electron emission in ion-surface interactions. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1999, 157, 11-20.	0.6	5
175	Spatially resolved K-Auger emission of hyperthermal highly charged ions at an Al(111) surface. <i>Europhysics Letters</i> , 1999, 48, 672-678.	0.7	2
176	Near-surface K-Auger emission in low-energy scattering of highly charged ions with surfaces. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1998, 145, 509-521.	0.6	5
177	Surface plasmon excitations in the wake of hollow atom relaxation at surfaces. <i>Applied Surface Science</i> , 1998, 136, 269-279.	3.1	7
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